

In the Claims

~~Claim 1-4 (canceled)~~

Claim 5 (previously presented): A sound signal analyzing device as recited in claim 22 wherein said setting section includes an operator operable by a user, and said setting section, in response to operation of the operator by the user, confirms the volume level of the sound signal displayed by said display section and thereby sets the threshold value.

Claims 6-21 (canceled)

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Claim 22 (previously presented): A sound signal analyzing device comprising:
an input section that receives sound signals to be analyzed;
a characteristic extraction section that extracts a volume level of a sound signal as it is received by said input section;
a setting section that sets various parameters for use in subsequent analysis of sound signals received by said input section in accordance with the volume level of the sound signal extracted by said characteristic extraction section, including at least a threshold value; and
a display section that visually displays a current value of the volume level and the threshold value determined by an extracted value of the volume level in accordance with a predetermined criterion.

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Claim 23 (currently amended): A sound signal analyzing device comprising:

- an input section that receives sound signals to be analyzed;
- a characteristic extraction section that extracts ~~at least one of upper and lower pitch limits~~ a pitch of a sound signal as it is received by said input section;
- a designating section that, based on the pitch of the sound signal, designates at least one of an upper and lower pitch limit as a pitch limit characteristic;
- a setting section that sets various parameters for use in subsequent analysis of sound signals received by said input section in accordance with the pitch limit characteristic ~~limits-characteristics of the sound signal extracted by said characteristic extraction section~~, including at least a filter characteristic; and
- a display section that visually displays the pitch limit characteristic ~~limits-characteristics~~ by displaying an image indicative of at least one of the upper and lower pitch limits,
- wherein a user can vary the pitch limit characteristic by manipulating the image such that the setting section sets the various parameters in accordance with the varied pitch limit characteristic.

Claim 24 (previously presented): A sound signal analyzing method comprising the steps of:

- receiving sound signals to be analyzed;
- extracting a volume level of the sound signal as it is received by said step of receiving;
- setting various parameters for use in subsequent analysis of sound signals received by said step of receiving in accordance with the volume level of the sound signal extracted by said step of extracting, including at least a threshold value; and
- displaying a current value of the volume level and the threshold value determined by an extracted value of the volume level in accordance with a predetermined criterion.

Claim 25 (currently amended): A sound signal analyzing method comprising the steps of:

receiving sound signals to be analyzed;

extracting ~~at least one of upper and lower pitch limits characteristics~~ a pitch of a sound signal as it is received by said step of receiving;

61 designating, based on the pitch of the sound signal, at least one of an upper and lower pitch limit as a pitch limit characteristic;

setting various parameters for use in subsequent analysis of sound signals received by said step of receiving in accordance with the pitch limit characteristic ~~limits characteristics extracted by said step of extracting~~, including at least a filter characteristic; and

displaying a display section that visually displays the pitch limits characteristics limit characteristic by displaying an image indicative of at least one of the upper and lower pitch limits,

wherein a user can vary the pitch limit characteristic by manipulating the image to set the various parameters in accordance with the varied pitch limit characteristic.

Claim 26 (previously presented): A machine-readable medium containing a group of instructions of a sound signal analyzing program for execution by a computer, said sound signal analyzing program causing the computer to execute the steps of:

receiving sound signals to be analyzed;

61 extracting a volume level of a sound signal as it is received by said step of receiving;

setting various parameters for use in subsequent analysis of sound signals received by said step of receiving in accordance with the volume level of the sound signal extracted by said step of extracting, including at least a threshold value; and

displaying a current value of the volume level and the threshold value determined by an extracted value of the volume level in accordance with a predetermined criterion.

Claim 27 (currently amended): A machine-readable medium containing a group of instructions of a sound signal analyzing program for execution by a computer, said sound signal analyzing program causing the computer to execute the steps of:

receiving sound signals to be analyzed;

extracting ~~at least one of upper and lower pitch limits~~ a pitch of the sound signal as it is received by said step of receiving;

designating, based on the pitch of the sound signal, at least one of an upper and lower pitch limit as a pitch limit characteristic;

setting various parameters for use in subsequent analysis of sound signals received by said step of receiving in accordance with the pitch limit characteristic ~~limits characteristics extracted by said step of extracting~~, including at least a filter characteristic; and

displaying a display section that visually displays the pitch limits characteristics limit characteristic by displaying an image indicative of at least one of the upper and lower pitch limits,

wherein a user vary the pitch limit characteristic by manipulating the image to set the various parameters in accordance with the varied pitch limit characteristic.

Claim 28 (canceled)
